6GK5208-0BA00-2AC2

Data sheet

product type designation



SCALANCE XC208 manageable Layer 2 IE switch; IEC 62443-4-2 certified; 8x 10/100 Mbit/s RJ45 ports; 1x console port; diagnostics LED; redundant power supply; temperature range -40 °C to +70 °C; assembly: DIN rail/S7 mounting rail/wall Office redundancy functions features (RSTP, VLAN,...); PROFINET IO device Ethernet/IP-compliant C-plug slot;

product type designation	SCALANCE XC208	
transfer rate		
transfer rate	10 Mbit/s, 100 Mbit/s	
interfaces / for communication / maximum configuration for modular devices		
number of electrical ports / maximum	8	
interfaces / for communication / integrated		
number of electrical connections		
 for network components or terminal equipment 	8; RJ45	
number of 10/100 Mbit/s RJ45 ports / integrated		
 with securing collar 	8	
interfaces / other		
number of electrical connections		
 for operator console 	1	
 for signaling contact 	1	
for power supply	1	
type of electrical connection		
 for operator console 	RJ11	
 for signaling contact 	2-pole terminal block	
for power supply	4-pole terminal block	
design of the removable storage		
• C-PLUG	Yes	
signal inputs/outputs		
operating voltage / of the signaling contacts		
 at DC / rated value 	24 V	
operational current / of the signaling contacts		
at DC / maximum	0.1 A	
supply voltage, current consumption, power loss		
product component / connection for redundant voltage supply	Yes	
type of voltage / 1 / of the supply voltage	DC	
supply voltage / 1 / rated value	24 V	
power loss [W] / 1 / rated value	4.2 W	
 consumed current / 1 / at rated supply voltage / maximum 	0.175 A	
supply voltage / 1 / rated value	9.6 31.2 V	
consumed current / 1 / maximum	0.35 A	
 type of electrical connection / 1 / for power supply 	4-pole terminal block	
 product component / 1 / fusing at power supply input 	Yes	
 fuse protection type / 1 / at input for supply voltage 	2.5 A / 125 V	
ambient conditions		
ambient temperature		

SCALANCE XC208

during operation	-40 +70 °C
during operation during storage	-40 +85 °C
during storage during transport	-40 +85 °C
relative humidity	10 100 C
at 25 °C / without condensation / during operation /	95 %
maximum	
protection class IP	IP20
design, dimensions and weights	
design	compact
width	60 mm
height	147 mm
depth	125 mm
net weight	0.52 kg
material / of the enclosure	Polycarbonate (PC-GF10) / pressure die cast aluminum
fastening method	
 35 mm top hat DIN rail mounting 	Yes
wall mounting	Yes
• S7-300 rail mounting	Yes
S7-1500 rail mounting	Yes
product features, product functions, product components	
cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	50
cascading in cases of star topology	any (depending only on signal propagation time)
product function / QoS according to DSCP	Yes
product feature	
 Cut Through switching method 	No
Store & Forward switching method	Yes
product functions / management, configuration, engineering	ng
product function	
• CLI	Yes
web-based management	Yes
MIB support	Yes
TRAPs via email Application with STER 7	Yes
configuration with STEP 7RMON	Yes Yes
SMTP server	No
• port mirroring	Yes
multiport mirroring	Yes
• CoS	Yes
PROFINET IO diagnosis	Yes
PROFINET conformity class	В
product function / switch-managed	Yes
telegram length / for Ethernet / maximum	1632 byte
protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• BOOTP	No
• GMRP	Yes
• DCP	Yes
• LLDP	Yes
• EtherNet/IP	Yes
SNMP v1 SNMP v2	Yes Yes
SNMP v3	Yes
IGMP (snooping/querier)	Yes
identification & maintenance function	165
1&M0 - device-specific information	Yes
I&M1 - higher level designation/location designation	Yes
product functions / diagnostics	
product function	
port diagnostics	Yes
μ 	

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e-ror statistics	statistics Packet Size	Yes
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• NTP-client Yes	product function	
SNTP client Yes		Yes
	SNTP client	Yes

and and the surrounded	
protocol / is supported • NTP	Yes
• SNTP	Yes
system modification during operation	
product function / configuration in RUN via CiR/H-CiR	Yes
standards, specifications, approvals	
IT security for industrial automation systems / according to IEC 62443-4-2:2019	Yes
MTBF	48 a
reference code	VE
according to IEC 81346-2according to IEC 81346-2:2019	KF KFE
standards, specifications, approvals / CE	TV E
certificate of suitability / CE marking	Yes
product conformity / according to EMC-guideline	2014/30/EU
standard	
 for EMC interference emission 	EN 61000-6-4, EN 50121-4
 for immunity to EMC 	EN 61000-6-2, EN 50121-4
certificate of suitability / RoHS conformity	Yes; 2011/65/EU
standards, specifications, approvals / hazardous environn	nents
certificate of suitability	V FN 00070 0 FN 00070 45
• ATEX	Yes; EN 60079-0, EN 60079-15
 for ATEX / as marking for ATEX / as certificate 	KEMA 07ATEX0145 X
• IECEX	Yes; IEC 60079-0, IEC 60079-15
• for IECEx / as marking	Ex nA II T4 Gc
for IECEx / as certificate	IECEX DEK 14.0025X
CCC / for hazardous zone according to GB standard	Yes
for cULus HazLoc / as marking	CL1, DIV2, Group A,B,C,D T4, CL1, Zone 2, Group IIC, T4
• for cULus HazLoc / as File Nr.	E240480 (NWHP, NWHP7)
FM registration	Yes; FM class 3600:2011, FM class 3611:2004, FM class 3810:2005,
• for FM / as marking	ANSI/ISA-61010-1:2004 CL1, DIV2, group A,B,C,D T4, CL1, Zone 2, group IIC, T4 Ta: -40 °C
C EM (+70 °C
• for FM / as certificate	FM16US0205X
standards, specifications, approvals / other	
certificate of suitability	Voc
railway application in accordance with EN 50121-4 Regulatory Compliance Mark (RCM)	Yes Yes
 Regulatory Compliance Mark (RCM) for UL 61010-2-201 / as File Nr. 	
• for UL 60950-1 / as File Nr.	E85972 (NRAQ, NRAQ7)
EAC approval	E115352 (NWGQ, NWGQ7) Yes
standards, specifications, approvals / marine classification	
Marine classification association	
American Bureau of Shipping Europe Ltd. (ABS)	Yes
French marine classification society (BV)	Yes
• DNV GL	Yes
Korean Register of Shipping (KRS)	Yes
Lloyds Register of Shipping (LRS)	Yes
Nippon Kaiji Kyokai (NK)	Yes
Polski Rejestr Statkow (PRS)	Yes
 Royal Institution of Naval Architects (RINA) 	Yes
accessories	
product extension / optional / C-PLUG	Yes
further information / internet-Links	
Internet-Link	
to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
 to website: Industrial communication 	http://www.siemens.com/simatic-net
to website: Industry Mall	https://mall.industry.siemens.com
to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
to website: CAx-Download-Manager	http://www.siemens.com/cax

• to website: Industry Online Support

https://support.industry.siemens.com

security information

security information

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